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Patent Number(s): FR2491734-A

Title: Volumetric depositor for prodn. of beefburgers, fish-cakes etc. - has rotary drum with double acting piston of variable stroke

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Abstract: The depositor employs a cylindrical depositing drum which is rotated on its longitudinal axis. The drum has a diametral passage contg. a close-fitting piston with an overall length less than the dia. of the drum.

The piston is reciprocated by a crank pin as the outer end of a connecting rod rotating about an axis which intersects the axis of the passage at right angles. The axis of rotation of the connection rod is stationary but can be adjusted to various degrees of eccentricity w.r.t. the axis of rotation of the depositor drum.

As the drum is rotated, the piston moves to and fro to an extent determined by the eccentricity of the connecting rod axis. The piston is double acting and each face in turn is retracted to allow the passage to accept a measure of paste. Simultaneously, the opposite face is advancing to deliver its blank after drum rotation through 180 deg..

The depositor is used for the prodn. of beefburgers, fishcakes, bread dough lumps, confectionery and patisseries prods. The machine is simple and comparatively inexpensive but can produce a high output of prod. items of consistent size, shape and wt..

IPC: A21C-011/00; A22C-007/00; A23P-001/00

Derwent Class: D14 (General foodstuffs machinery (not D11-D13))

Derwent Manual Code(s): D01-A02; D03-E03; D03-K06

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